

Amendment under 37 C.F.R. §1.111  
Application No. 10/500,042  
Attorney Docket No. 042449

### AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions of claims in the application.

1. (Currently amended): A field converter comprising,

material pieces,

said material pieces each having an external shape of an equilateral hexagonal prism, and  
said material pieces each having a hole of an annular section penetrating through a base and a top  
thereof,

an internal surface of said hole having a spiral groove,

a material of said material piece being selected from the group consisting of austenitic  
stainless steel, martensitic stainless steel, platinum, gold, silver, titanium and diamond,

said material pieces having been heat-treated,

said material pieces being oriented in an arrangement such that the central axes thereof  
~~(said central axes each is an axis which is parallel to six sides of said equilateral hexagonal prism  
and perpendicular to said base and said top thereof)~~ are parallel to each other, wherein said  
central axes of each is an axis which is parallel to six sides of said equilateral hexagonal prism  
and perpendicular to said base and said top thereof [[and]]

said arrangement being retained, wherein said arrangement is one such that,

said material pieces form a kind of concentric circle, and

a drawing line linked projected points, which are caused that said central axes of the  
outermost circumferentially located plural material pieces of said kind of concentric circle are

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projected on a plane perpendicular to said central axis of said material piece, to form an equilateral hexagon.

2. (Original): A field converter as defined in claim 1, wherein,  
said material pieces have identical shape and identical size to each other,  
said hole having a circular prism shape, a central axis of said hole is identical with said  
central axis of said material piece, and  
said arrangement is one such that said bases of said material pieces makes a plane and  
said sides of said material pieces are adjacent to each other.

3. (Cancelled)

4. (Previously Presented): A field converter comprising a plurality of said field  
converters as defined in claim 1, wherein said field converters are piled one on top of the other.

5. (Currently amended): A field converter comprising a plurality of said field converters  
as defined in claim [[3]] 1, wherein,  
said field converters are piled one on top of the other, and  
the central axes of the central material pieces of said kind of concentric circle  
arrangements are generally aligned.

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6. (Previously Presented): A field converter as defined in claim 1, wherein, material of said material piece is SUS304 stainless steel.

7. (Previously Presented): A field converter as defined in claim 1, wherein, said heat-treating is such that,

the heating temperature is equal to or more than 800 °C, and

the heating duration is equal to or more than 5 minutes.

8. (Previously Presented): A field converter as defined in claim 1, wherein, a length of the side of said equilateral hexagon being designated as a cross section of said equilateral hexagonal prism of said material piece, is equal to or less than 10 mm, and a height of said equilateral hexagonal prism is shorter than said length of said side.

9. (Previously Presented): A field converter as defined in claim 1, wherein, said spiral groove of said internal perimeter surface of said hole of said material piece, has a triangular screw thread shape.

10. (Previously Presented): A field converter as defined in claim 1, wherein the field converter is housed in a sealed container of SUS304 stainless steel.

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11. (Previously Presented): A fluid processing device comprising,  
a hollow container having an intake and an outlet, and  
said field converter as defined in claim 1, is positioned in said container.

12. (Original): A fluid processing device as defined in claim 11, wherein,  
said central axes of the material pieces being constituent of the field converter, are  
generally aligned with a principal stream direction of processed fluid which pass through said  
container.

13. (Original): A fluid processing device as defined in claim 12, wherein,  
said fluid is liquid, and  
said fluid processing device is connected to a service pipe to supply said liquid, and said  
liquid is pressurized comparing with surrounding atmospheric pressure in said pipe.

14. (Currently Amended): A method for processing fluid, which comprises:  
(a) preparing Fluid being passed through said fluid processing device as defined in claim  
11; and  
(b) passing fluid through said fluid processing device.

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15. (Currently amended): The method for processing fluid ~~Fluid~~ as defined in claim 14,  
wherein said fluid is water.